

Title (en)
MULTI-FOCAL OPTICAL LENSES

Title (de)
MULTIFOKALE OPTISCHE LINSEN

Title (fr)
LENTILLES OPTIQUES MULTIFOCALES

Publication
EP 2795395 A4 20160127 (EN)

Application
EP 12861923 A 20121225

Priority
• US 201161580226 P 20111225
• US 201261726868 P 20121115
• US 2012071595 W 20121225

Abstract (en)
[origin: WO2013101793A1] A multi-focal lens having a center optical zone for creating a first focal point within 2° of the optical axis and a peripheral optical zone located adjacent the center optical zone for creating a second focal point from 2° to 10° of the optical axis, the peripheral optical zone having a correction of at least 2 diopters more than the center optical zone.

IPC 8 full level
A61F 2/16 (2006.01); **G02B 3/10** (2006.01); **G02C 7/04** (2006.01); **G02C 7/06** (2006.01)

CPC (source: EP US)
G02C 7/041 (2013.01 - US); **G02C 7/044** (2013.01 - EP US); **G02C 7/047** (2013.01 - EP US); **G02C 7/06** (2013.01 - EP US)

Citation (search report)
• [X] US 4869587 A 19890926 - BREGER JOSEPH L [US]
• [X] US 2011051079 A1 20110303 - MARTINEZ ALDO ABRAHAM [AU], et al
• [A] EP 0445994 A2 19910911 - BREGER JOSEPH LAWRENCE [US]
• [A] US 2010265163 A1 20101021 - LEGERTON JEROME [US], et al
• [A] US 2007270947 A1 20071122 - PEYMAN GHOLAM A [US]
• See references of WO 2013101793A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013101793 A1 20130704; AU 2012362545 A1 20140710; AU 2012362545 A8 20140731; AU 2012362545 B2 20150702; CN 104136964 A 20141105; CN 104136964 B 20160106; EP 2795395 A1 20141029; EP 2795395 A4 20160127; EP 2795395 B1 20190508; ES 2733681 T3 20191202; JP 2015503769 A 20150202; JP 2020115212 A 20200730; JP 6726929 B2 20200722; KR 20140120893 A 20141014; US 2013182215 A1 20130718; US 8950859 B2 20150210

DOCDB simple family (application)
US 2012071595 W 20121225; AU 2012362545 A 20121225; CN 201280070627 A 20121225; EP 12861923 A 20121225; ES 12861923 T 20121225; JP 2014549003 A 20121225; JP 2020045010 A 20200316; KR 20147020759 A 20121225; US 201213726538 A 20121224